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GALAXIES: CLUSTERS: GENERAL

Photometric and Morphological Properties of Nearby Cluster Galaxies. *L. Felipe Barrientos, David Schade, Omar Lopez-Cruz, & H. Quintana.* 153, 397 (2004)

GALAXIES: CLUSTERS: INDIVIDUAL

Name: Virgo

The ACS Virgo Cluster Survey. I. Introduction to the Survey. *Patrick Côté, John P. Blakeslee, Laura Ferrarese, Andrés Jordán, Simona Mei, David Merritt, Miloš Milosavljević, Eric W. Peng, John L. Tonry, & Michael J. West.* 153, 223 (2004)

Alphanumeric: HCG 31

Massive Star Formation and Tidal Structures in HCG 31. *Ángel R. López-Sánchez, César Esteban, & Mónica Rodríguez.* 153, 243 (2004)

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Strong Emission Line H II Galaxies in the Sloan Digital Sky Survey. I. Catalog of DR1 Objects with Oxygen Abundances from T_e Measurements. *Alexei Y. Kniazev, Simon A. Pustilnik, Eva K. Grebel, Henry Lee, & Alexander G. Pramskij.* 153, 429 (2004)

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Alphanumeric: MCG −6-30-15

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GALAXIES: NUCLEI

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GALAXIES: QUASARS: ABSORPTION LINES

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GALAXIES: STARBURST

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BUDDA: A New Two-Dimensional Bulge/Disk Decomposition Code for Detailed Structural Analysis of Galaxies. *R. E. de Souza, D. A. Gadotti, & S. dos Anjos.* 153, 411 (2004)

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Side-by-Side Comparison of Fourier Transform Spectroscopy and Water Vapor Radiometry as Tools for the Calibration of Millimeter/Submillimeter Ground-based Observatories. *J. R. Pardo, M. C. Wiedner, E. Serabyn, C. D. Wilson, C. Cunningham, R. E. Hills, & J. Cernicharo.* 153, 363 (2004)

ISM: ABUNDANCES

Chemical Abundances of the Galactic H II Region NGC 3576 Derived from Very Large Telescope Echelle Spectrophotometry. *Jorge García-Rojas, César Esteban, Manuel Peimbert, Mónica Rodríguez, María Teresa Ruiz, & Antonio Peimbert.* 153, 501 (2004)

ISM: GENERAL

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ISM: GLOBULES

A Survey for Infall Motions toward Starless Cores. III. CS (3–2) amd DCO^+ (2–1) Observations. *Chang Won Lee, Philip C. Myers, & René Plume.* 153, 523 (2004)

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ISM: INDIVIDUAL

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ISM: MOLECULES

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ISM: SUPERNOVA REMNANTS

An X-Ray Search for Compact Central Sources in Supernova Remnants. I. SNRs G093.3+6.9, G315.4−2.3, G084.2+0.8, and G127.1+0.5. *D. L. Kaplan, D. A. Frail, B. M. Gaensler, E. V. Gotthelf, S. R. Kulkarni, P. O. Slane, & A. Nechita.* 153, 269 (2004)

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Characterization of the Far-Ultraviolet Spectrum of Pt/Cr-Ne Hollow Cathode Lamps as Used on the Space Telescope Imaging Spectrograph on Board the *Hubble Space Telescope*. *Craig J. Sansonetti, F. Kerber, Joseph Reader, & M. R. Rosa.* 153, 555 (2004)

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A Comparison of Algorithms for the Efficient Solution of the Linear Systems Arising from Multigroup Flux-limited Diffusion Problems. *F. Douglas Swesty, Dennis C. Smolarski, & Paul E. Saylor.* 153, 369 (2004)

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A Multiwavelength Perspective of Flares on HR 1099: 4 Years of Coordinated Campaigns. *Rachel A. Osten, Alexander Brown, Thomas R. Ayres, Stephen A. Drake, Elena Franciosini, Roberto Pallavicini, Gianpiero Tagliaferri, Ron T. Stewart, Stephen L. Skinner, & Jeffrey L. Linsky.* 153, 317 (2004)

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STARS: LATE-TYPE

A Multiwavelength Perspective of Flares on HR 1099: 4 Years of Coordinated Campaigns. *Rachel A. Osten, Alexander Brown, Thomas R. Ayres, Stephen A. Drake, Elena Franciosini, Roberto Pallavicini, Gianpiero Tagliaferri, Ron T. Stewart, Stephen L. Skinner, & Jeffrey L. Linsky.* 153, 317 (2004)

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